



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Jiahn-Chang WU

Art unit: 2875

Serial No. 10/800,207

Examiner: LE, Khanh H.

Filed: Mar.15, 2004

For: LAMP WITH METAL GRID RADIATOR FOR HEAT DISSIPATION

AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In response to USPTO communication dated Jan. 19, 2006, please amend the application as follows:

IN THE CLAIMS:

Claim 1. (currently amended) A light bulb, comprising:

at least one light emitting device;

a cup in which said light emitting device is housed;

a ridged metal grid with walls protruding normal to the plane of said grid to form partitions, placed in the open end of said cup, serving as a radiator to dissipate the heat generated from said light emitting device, and as windows for transmission of light emitted from said light emitting device.

Claim 2. (original) The light bulb as described in claim 1, wherein said metal grid comprises a matrix of parallel horizontal plates and parallel vertical walls, each having an outer surface facing said open end and an inner surface facing said light emitting device.

Claim 3. (original) The light bulb as described in claim 2, wherein said at least one light emitting device is placed on said inner surface of said metal grid.

Claim 4. (original) The light bulb as described in claim 2, wherein each one of said light emitting device has two electrodes connected to one of said parallel horizontal plates and one of said parallel vertical walls respectively, and said horizontal plates and said vertical walls are insulated from each other.

Claim 5. (currently amended) The light bulb as described in claim 1, wherein said [cup] ridged metal grid is back-filled with transparent material selected from the group consisting of glass and transparent polymer composite.